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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chen-Chi Kuo et al. Examiner: Paul W Schlie

Serial No.: 10/751,263 Group Art Unit: 2186

Filed: December 30, 2003 Docket: Intel-010PUS

Title: A METHOD AND APPARATUS UTILIZING NON-UNIFORMLY DISTRIBUTED DRAM CONFIGURATIONS AND TO DETECT IN-RANGE

MEMORY ADDRESS MATCHES

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 et. seq., the referenced materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 50-0845. The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited 10.8. Proceeds 188.00 Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign

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Title: A METHOD AND APPARATUS UTILIZING NON-UNIFORMLY DISTRIBUTED DRAM CONFIGURATIONS AND TO DETECT IN-

RANGE MEMORY ADDRESS MATCHES

patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

CHEN-CHI KUO ET AL.

By their Representatives,

CUSTOMER NUMBER: 45780

781-401-9988

Date 8/7/2006

Paul D. Durkee

Reg. No. 41,003

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this ______ day of August, 2006.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO **INFORMATION DISCLOSURE** Complete if Known ESTATEMENT BY APPLICANT **Application Number** 10/751,263 December 30, 2003 **Filing Date** Kuo, Chen-Chi **First Named Inventor** AUG 0 9 2006 2186 **Art Unit** Paul W Schlie **Examiner Name** (Use as many sheets as necessary) Attorney Docket No: Intel-010PUS Sheet of 10

	US PATENT DOCUMENTS							
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate			
		US-20010043614A1	11/22/2001	Viswanadham, Krishna et al.				
		US-20030012198A1	01/16/2003	Kaganoi, Teruo et al.				
		US-20030041216A1	02/27/2003	Rosenbluth, M. B., et al.				
•		US-20030046488A1	03/06/2003	Rosenbluth, Mark B., et al.				
		US-20030065862A1	04/03/2003	Wyland, David C.				
		US-20030078950A1	04/24/2003	Abernathy, Christopher M., et al.				
		US-20030105899A1	06/05/2003	Rosenbluth, Mark B., et al.				
		US-20030145155A1	07/31/2003	Wolrich, Gilbert et al.				
		US-20030145159A1	07/31/2003	Adiletta, Matthew J., et al.				
		US-20040034743A1	02/19/2004	Wolrich, Gilbert et al.				
		US-20040039895A1	02/26/2004	Wolrich, Gilbert et al.				
		US-20040054880A1	03/18/2004	Bernstein, Debra et al.				
		US-20040071152A1	04/15/2004	Wolrich, Gilbert et al.				
		US-20040073728A1	04/15/2004	Wolrich, Gilbert et al.				
		US-20040073778A1	04/15/2004	Adiletta, Matthew J., et al.				
		US-20040098496A1	05/20/2004	Wolrich, Gilbert et al.				
		US-20040109369A1	06/10/2004	Wolrich, Gilbert et al.				
		US-20040139290A1	07/15/2004	Wolrich, Gilbert et al.				
		US-20050132132A1	06/16/2005	Rosenbluth, Mark B., et al.				
		US-20060156303A1	07/13/2006	Hooper, Donald F.				
		US-3373408	03/12/1968	Ling, A. T.				
		US-3478322	11/11/1969	Evans, B. O.				
		US-3792441	02/12/1974	Wymore, Charles E., et al.				
		US-3940745	02/24/1976	Sajeva, Raoul				
•		US-4045782	08/30/1977	Anderson, Terry M., et al.				
		US-4130890	12/19/1978	Adam, Fritz G.				
		US-4189767	02/19/1980	Ahuja, Sudhir R., et al.				
		US-4400770	08/23/1983	Chan, Shiu K., et al.				
		US-4514807	04/30/1985	Nogi, Tatsuo				
		US-4523272	06/11/1985	Fukunaga, Yasushi et al.	· · · · · · · · · · · · · · · · · · ·			
		US-4745544	05/17/1988	Renner, Karl et al.				
		US-4833657	05/23/1989	Tanaka, Shigeru				
		US-4866664	09/12/1989	Burkhardt, Jr., Kenneth J., et al.				

PTC/SB/08a(07-05)
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on of information unless it contains a valid OMB control number.

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Substitut	e for form 1449A	/PTO				
INFO	RMATION	DISCLOSU	JRE `		Complete if Known	
		Y APPLICA		Application Number	10/751,263	
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				Examiner Name	Paul W Schlie	
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Sheet	2	of	10	Attorney Docket No: I	ntel-010PUS	

		US	PATENT D	OCUMENTS	
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
		US-5008808	04/16/1991	Fries, William J., et al.	<u> </u>
		US-5140685	08/18/1992	Sipple, Ralph E., et al.	-
		US-5142676	08/25/1992	Fried, Jeffrey A., et al.	
		US-5142683	08/25/1992	Burkhardt, Jr., Kenneth J., et al.	
		US-5155831	10/13/1992	Emma, Philip G., et al.	
		US-5155854	10/13/1992	Flynn, Michael E., et al.	
		US-5166872	11/24/1992	Weaver, Rand D., et al.	
		US-5168555	12/01/1992	Byers, Larry L., et al.	
		US-5173897	12/22/1992	Schrodi, Karl et al.	
		US-5255239	10/19/1993	Taborn, Michael P., et al.	
		US-5263169	11/16/1993	Genusov, Alexander et al.	
		US-5347648	09/13/1994	Stamm, Rebecca L., et al.	
		US-5367678	11/22/1994	Lee, Edward A., et al.	
		US-5390329	02/14/1995	Gaertner, Gregory G., et al.	
		US-5392391	02/21/1995	Caulk, Jr., Robert L., et al.	
		US-5392411	02/21/1995	Ozaki, Shinji	
		US-5392412	02/21/1995	McKenna, James L.	
		US-5404464	04/04/1995	Bennett, Brian R.	
		US-5404482	04/04/1995	Stamm, Rebecca L., et al.	
		US-5432918	07/11/1995	Stamm, Rebecca L.	
		US-5448702	09/05/1995	Garcia, Jr., Serafin J., et al.	
		US-5450351	09/12/1995	Heddes, Mattheus C.	
		US-5452437	09/19/1995	Richey, James M., et al.	
		US-5459842	10/17/1995	Begun, Ralph M., et al.	
		US-5463625	10/31/1995	Yasrebi, Mehrad	
		US-5467452	11/14/1995	Blum, Arnold et al.	
		US-5517648	05/14/1996	Bertone, James F., et al.	
		US-5542070	07/30/1996	LeBlanc, Rene et al.	
		US-5542088	07/30/1996	Jennings, Jr., Ralph E., et al.	
		US-5544236	08/06/1996	Andruska, Donald L., et al.	
		US-5550816	08/27/1996	Hardwick, Ken et al.	
		US-5557766	09/17/1996	Takiguchi, Nobuhiro et al.	
		US-5568617	10/22/1996	Kametani, Masatsugu	
		US-5574922	11/12/1996	James, David V.	

PTO/SB/08a/07-05)
Approved for use through 7/31/2009, OMB 0851-0031
US Pater & Tradement Office, U.S. DEPARTMENT OF COMMERCE
ction of information unless it contains a yalid OMB control number.

INFO	RMATION	DISCLOSU	RE '		Complete if Known
STATEMENT BY APPLICANT				Application Number	10/751,263
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		US	PATENT D	OCUMENTS	
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
• •		US-5592622	01/07/1997	Isfeld, Mark S., et al.	
		US-5613071	03/18/1997	Rankin, Linda J., et al.	
		US-5613136	03/18/1997	Casavant, Thomas L., et al.	
		US-5623489	04/22/1997	Cotton, John M., et al.	
		US-5627829	05/06/1997	Gleeson, Bryan J., et al.	
		US-5630130	05/13/1997	Perotto, Jean-Felix et al.	
		US-5644623	07/01/1997	Gulledge, Kenneth G.	
		US-5649109	07/15/1997	Griesmer, Martin E., et al.	
		US-5649157	07/15/1997	Williams, James B.	
****		US-5659687	08/19/1997	Kim, Seong-Woon et al.	
		US-5680641	10/21/1997	Sidman, Steven B.	
		US-5689566	11/18/1997	Nguyen, Minhtam C.	
		US-5699537	12/16/1997	Sharangpani, Harshvardhan P., et al.	
		US-5717898	02/10/1998	Kagan, Michael et al.	
	 	US-5721870	02/24/1998	Matsumoto, Kazuya	
		US-5742587	04/21/1998	Zornig, John G., et al.	
		US-5742782	04/21/1998	Ito, Motohisa et al.	
		US-5742822	04/21/1998	Motomura, Masato	
-		US-5745913	04/28/1998	Pattin, Jay C., et al.	
		US-5751987	05/12/1998	Mahant-Shetti, Shivaling S., et al.	
		US-5761507	06/02/1998	Govett, Ian R.	
		US-5761522	06/02/1998	Hisanaga, Takanori et al.	
		US-5781774	07/14/1998	Krick, Robert F.	
	1	US-5784649	07/21/1998	Begur, Sridhar et al.	
		US-5784712	07/21/1998	Byers, Larry L., et al.	
		US-5790813	08/04/1998	Whittaker, Bruce E.	
		US-5796413	08/18/1998	Shipp, Ronald A., et al.	
		US-5797043	08/18/1998	Lewis, Adrian et al.	
		US-5809235	09/15/1998	Sharma, Mohan et al.	
		US-5809530	09/15/1998	Samra;, Nicholas G., et al.	
		US-5812799	09/22/1998	Zuravleff, William K., et al.	
		US-5812868	09/22/1998	Moyer, William C., et al.	
		US-5813031	09/22/1998	Chou, Wen-Hwa et al.	

PTC/SB/08a(07-05)
Approved for use through 7/31/2006, OMB 0651-0031
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INFO	RMATION	DISCLOSU	RE `		Complete if Known	
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Sheet	4	of	10	Attorney Docket No: I	ntel-010PUS	

	US PATENT DOCUMENTS							
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate			
		US-5828746	10/27/1998	Ardon, Menachem T.				
		US-5828863	10/27/1998	Barrett, Lorraine F., et al.				
		US-5829033	10/27/1998	Hagersten, Erik et al.				
		US-5832215	11/03/1998	Kato, Sadayuki et al.				
		US-5835755	11/10/1998	Stellwagen, Jr., Richard G.				
		US-5835928	11/10/1998	Auslander, Marc A., et al.				
		US-5854922	12/29/1998	Gravenstein, Martin G., et al.				
		US-5860158	01/12/1999	Pai, Yet-Ping et al.				
		US-5886992	03/23/1999	Raatikainen, K. Pertti T., et al.				
		US-5887134	03/23/1999	Ebrahim, Zahir				
		US-5890208	03/30/1999	Kwon, Young-sig				
		US-5892979	04/06/1999	Shiraki, Osamu et al.				
•		US-5893162	04/06/1999	Lau, Joseph C., et al.				
		US-5905876	05/18/1999	Pawlowski, Stephen S., et al.				
-		US-5905889	05/18/1999	Wilhelm, Jr., George W.				
		US-5915123	06/22/1999	Mirsky, Ethan et al.				
		US-5937187	08/10/1999	Kosche, Nicolai et al.				
		US-5938736	08/17/1999	Muller, Shimon et al.				
• •		US-5940612	08/17/1999	Brady, James T., et al.				
		US-5940866	08/17/1999	Chisholm, Douglas R., et al.				
		US-5946487	08/31/1999	Dangelo, Carlos				
		US-5948081	09/07/1999	Foster, Joseph E.				
		US-5958031	09/28/1999	Kim, Myeong-Soo				
		US-5961628	10/05/1999	Nguyen, Le T., et al.				
	1	US-5970013	10/19/1999	Fischer, Frederick H., et al.				
	1	US-5978838	11/02/1999	Mohamed, Moataz A., et al.				
		US-5978874	11/02/1999	Singhal, Ashok et al.				
	<u> </u>	US-5983274	11/09/1999	Hyder, Jameel et al.				
		US-6012151	01/04/2000	Mano, Kosei				
		US-6014729	01/11/2000	Lannan, Gregory B., et al.				
	1	US-6023742	02/08/2000	Ebeling, William H., et al.				
		US-6029170	02/22/2000	Garger, Valery I., et al.				
_		US-6047334	04/04/2000	Langendorf, Brian K., et al.				
_	l	US-6058168	05/02/2000	Braband;, Martin				
•	<u> </u>	US-6067585	05/23/2000	Hoang, Thao M.				

PTC/SB/08x(07-05)
Approved for use through 7/31/2008, OMB 0851-0031
U3 Peter 8 Trademark Office, U.S. DEPARTEENT OF COMMERCE
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Sheet	5	of	10	Attorney Docket No: I	ntel-010PUS

-	US PATENT DOCUMENTS							
Examiner Cite Initial * No		USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate			
		US-6070231	05/30/2000	Ottinger, James M.				
	_	US-6072781	06/06/2000	Feeney, James W., et al.				
		US-6073215	06/06/2000	Snyder, Michael D.				
		US-6076129	06/13/2000	Fenwick, David M., et al.				
		US-6079008	06/20/2000	Clery, III, William B.				
		US-6085215	07/04/2000	Ramakrishnan, K. K., et al.				
		US-6085294	07/04/2000	Van Doren, Stephen et al.				
		US-6092127	07/18/2000	Tausheck, Eric G.				
		US-6092158	07/18/2000	Harriman, David J., et al.				
		US-6112016	08/29/2000	MacWilliams, Peter D., et al.				
		US-6134665	10/17/2000	Klein, Philippe et al.				
		US-6141689	10/31/2000	Yasrebi, Mehrad				
		US-6141765	10/31/2000	Sherman, David L.				
		US-6144669	11/07/2000	Williams, Stephen J., et al.				
		US-6145054	11/07/2000	Mehrotra, Sharad et al.	· ·			
		US-6157955	12/05/2000	Narad, Charles E., et al.				
		US-6160562	12/12/2000	Chin, Kenneth T., et al.				
		US-6173349	01/09/2001	Qureshi, Amjad Z., et al.				
		US-6182177	01/30/2001	Harriman, David J.				
		US-6195676	02/27/2001	Spix, George A., et al.				
		US-6199133	03/06/2001	Schnell, Arnold T.				
		US-6201807	03/13/2001	Prasanna, G. N.				
· · · · ·		US-6212542	04/03/2001	Kahle, James A., et al.				
		US-6212602	04/03/2001	Wicki, Thomas M., et al.				
		US-6212611	04/03/2001	Nizar, Puthiya K., et al.				
		US-6216220	04/10/2001	Hwang, Myeong E.				
		US-6223207	04/24/2001	Lucovsky, Mark H., et al.				
		US-6223238	04/24/2001	Meyer, James W., et al.				
		US-6223279	04/24/2001	Nishimura, Akira et al.				
		US-6247025	06/12/2001	Bacon;, David F.				
		US-6247040	06/12/2001	Born, Richard M., et al.				
		US-6247086	06/12/2001	Allingham, Donald				
		US-6249829	06/19/2001	Bloks, Rudolf H., et al.				
		US-6256713	07/03/2001	Audityan, Srinath et al.				
		US-6272616	08/07/2001	Fernando, John S., et al.				

DATE CONSIDERED EXAMINER

PTC/SB/08a(07-05)
Approved for use through 7/31/2008. OMB 0851-0031
US Patent & Trasement Office; U.S. DEPARTMENT OF COMMERCE
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		US	S PATENT D	OCUMENTS	
Examiner Cite Initial * No		USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
		US-6275505	08/14/2001	O'Loughlin, Gareth P., et al.	
		US-6278289	08/21/2001	Guccione, Steven A., et al.	
		US-6279113	08/21/2001	Vaidya, Vimal	
		US-6289011	09/11/2001	Seo, Young I., et al.	
		US-6298370	10/02/2001	Tang, Jun et al.	
		US-6307789	10/23/2001	Wolrich, Gilbert et al.	
	-	US-6311256	10/30/2001	Halligan, Kenneth A., et al.	
		US-6324624	11/27/2001	Wolrich, Gilbert et al.	
		US-6345334	02/05/2002	Nakagawa, Atsushi et al.	
		US-6347344	02/12/2002	Baker, David et al.	
		US-6356962	03/12/2002	Kasper, Christian D.	
		US-6360262	03/19/2002	Guenthner, Timothy J., et al.	
		US-6366978	04/02/2002	Middleton, Peter G., et al.	
		US-6373848	04/16/2002	Allison, S. S., et al.	
		US-6389449	05/14/2002	Nemirovsky, Mario D., et al.	
		US-6393483	05/21/2002	Latif, Faisal et al.	
		US-6401149	06/04/2002	Dennin, William W., et al.	
		US-6415338	07/02/2002	Habot, Ronen	
		US-6426940	07/30/2002	Seo, Young-Ik et al.	
		US-6427196	07/30/2002	Adiletta, Matthew J., et al.	
		US-6430626	08/06/2002	Witkowski, M. L., et al.	
		US-6430646	08/06/2002	Thusoo, Shalesh et al.	
		US-6434145	08/13/2002	Opsasnick, Eugene N., et al.	
		US-6449289	09/10/2002	Quicksall, Edward S.	
		US-6457078	09/24/2002	Magro, James R., et al.	
		US-6463072	10/08/2002	Wolrich, Gilbert et al.	
		US-6490642	12/03/2002	Thekkath, Radhika et al.	
		US-6529999	03/04/2003	Keller, James B., et al.	
		US-6532509	03/11/2003	Wolrich, Gilbert et al.	
		US-6539439	03/25/2003	Nguyen, Ngyuyen Q., et al.	
		US-6552826	04/22/2003	Adler, B. M., et al.	
		US-6560667	05/06/2003	Wolrich, Gilbert et al.	
		US-6570877	05/27/2003	Kloth, Raymond J., et al.	
		US-6577542	06/10/2003	Wolrich, Gilbert et al.	
		US-6581124	06/17/2003	Anand, Vishal et al.	

PTO/SB/08a(07-05)
Approved for use through 7/31/2006. OMB 0651-0031
US Pater & Trademark Office; U.S. DEPARTMENT OF COMMERCE
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		US-6584522	06/24/2003	Wolrich, Gilbert et al.				
		US-6587906	07/01/2003	Wolrich, Gilbert et al.				
		US-6606704	08/12/2003	Adiletta, Matthew J., et al.				
		US-6625654	09/23/2003	Wolrich, Gilbert et al.				
		US-6628652	09/30/2003	Chrin, Christopher J., et al.				
		US-6629237	09/30/2003	Wolrich, Gilbert et al.				
		US-6631430	10/07/2003	Wolrich, Gilbert et al.				
		US-6631462	10/07/2003	Wolrich, Gilbert et al.				
		US-6633938	10/14/2003	Rowlands, Joseph B., et al.				
		US-6643726	11/04/2003	Patkar, Niteen et al.				
		US-6654836	11/25/2003	Misra, Ashutosh et al.				
		US-6661794	12/09/2003	Wolrich, G. et al.				
		US-6661795	12/09/2003	Adas, Abdelnaser et al.				
		US-6667920	12/23/2003	Wolrich, G. et al.				
		US-6668311	12/23/2003	Hooper, Donald F., et al.				
		US-6668317	12/23/2003	Bernstein, Debra et al.				
		US-6671761	12/30/2003	Kim, Jin-soo et al.				
		US-6671827	12/30/2003	Guilford, James D., et al.				
		US-6678248	01/13/2004	Haddock, Stephen R., et al.				
		US-6681300	01/20/2004	Wolrich, G. et al.				
		US-6694380	02/17/2004	Wolrich, Gilbert et al.				
		US-6697923	02/24/2004	Chen, Jen-Kai et al.				
		US-6724767	04/20/2004	Chong, Simon et al.				
		US-6725313	04/20/2004	Wingard, Drew E., et al.				
		US-6728845	04/27/2004	Adiletta, Matthew J., et al.				
		US-6738831	05/18/2004	Wolrich, Gilbert et al.				
		US-6754662	06/22/2004	Li, Fulu				
		US-6754795	06/22/2004	Chen, Jian-Guo et al.				
		US-6781992	08/24/2004	Rana, Aswinkumar V., et al.				
		US-6785843	08/31/2004	McRae, Andrew et al.				
		US-6823399	11/23/2004	Horiguchi, Mari et al.				
		US-6826180	11/30/2004	Bergantino, Paul V., et al.				
		US-6847645	01/25/2005	Potter, Kenneth H., et al.				
		US-6868476	03/15/2005	Rosenbluth, Mark B., et al.				
		US-6941438	09/06/2005	Wolrich, Gilbert et al.				

PTO/SB/08x(07-05)
Approved for use through 7/31/2008, OARD 0051-0031
US Patent & Trademark Office; U.S. DEPARTMENT OF COMMEDITION
To Information unless it contains a valid OMB control number

Substitut	e for form 1449A/	PTO				
INFO	RMATION	DISCLOSU	RE .	Complete if Known		
STAT	EMENT B	Y APPLICA	NT	Application Number	10/751,263	
				Filing Date	December 30, 2003	
				First Named Inventor	Kuo, Chen-Chi	
				Art Unit	2186	
				Examiner Name	Paul W Schlie	
(Use as many she	ets as necessary)		d .		
Sheet	8	of	10	Attorney Docket No: i	ntel-010PUS	

US PATENT DOCUMENTS						
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate	
		US-6958973	10/25/2005	Chen et al.		

F1		REIGN PATENT I	Name of Patentee or Applicant of cited	
Examiner Initials*	Foreign Document No	Publication Date	Document Document	T ²
	EP-0379709A2	08/01/1990	Hsu, Yarsun	
	EP-0464715A2	01/08/1992	Ramanujan, Raj	
	EP-0633678A1	01/11/1995	Peschi, Robert Nicolas L.	
	EP-0745933A2	12/04/1996	Luick, David A.	
	EP-0809180A2	11/26/1997	Kudo, Makoto , et al.	
	EP-1191445	03/01/2002		
	JP-59111533A2	06/27/1984	Tadashi, Abe , et al.	
	WO-0115718A1	03/08/2001	Cherdshewasart, Wichai	
	WO-0116769A1	03/08/2001	Adiletta, M. J., et al.	
	WO-0116770A1	03/08/2001	Adiletta, M. J., et al.	
	WO-0116782A3	03/08/2001	Adiletta, M. J., et al.	·
	WO-0148596A3	07/05/2001	Wolrich, Gilbert, et al.	
	WO-0148606A3	07/05/2001	Wolrich, Gilbert , et al.	
	WO-0148619A3	07/05/2001	Wolrich, Gilbert , et al.	
	WO-0150247A3	07/12/2001	Wolrich, Gilbert , et al.	
	WO-0150679A3	07/12/2001	Wolrich, Gilbert , et al.	
-	WO-09415287A3	07/07/1994	Perotto, Jean-Felix , et al.	
	WO-9738372A1	10/16/1997	Whittaker, James R.	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		"C-5 Network Processor Acrhitecture Guide", C-Port Coproration, Freescale Semiconductor, Inc., Part No. C5NPD0-AG/D, (May 31, 2001),642 pages	
		"Intel IXP1200 Network Processor Family", <u>Hardware Reference Manual</u> , (Dec. 2001),272 pages	
		"IXP1200 Network Processor", Data Sheet, (Mar. 2000),144 pages	
		BOWDEN, ROMILLY, "What is HART?", Romilly's Hart and Fieldbus Website, Online!, [www.romilly.co.uk.whathart.htm],(1997),	

PTO/SB/08x(07-05)
Approved for use through 7/31/2006. OMB 0651-0031
US Patent & Tredemark Office; U.S. DEPARTMENT OF COMMERCE
on of information unless it contains a vailed OMB control number.

Substitut	e for form 1449A	PTO				
INFO	RMATION	DISCLOSU	RE .		Complete if Known	
STATEMENT BY APPLICANT				Application Number	10/751,263	
				Filing Date	December 30, 2003	
				First Named Inventor	Kuo, Chen-Chi	
				Art Unit	2186	
				Examiner Name	Paul W Schlie	
(Use as many sheets as necessary)						
Sheet	9	of	10	Attorney Docket No: Intel-010PUS		

	OTHER	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Ť²
		BYRD, et al., "Multithread Processor Architectures", IEEE Spectrum, Vol. 32, No.	
		8., New York,(Aug. 1, 1995),pp. 38-46	
		CHANG, SHU-PING, et al., "An Overview of the Pipelined Common Buffer	
;		Architecture (PCBA) for Memory Based Packet/Cell Switching Systems", <u>IEEE</u> , (1994),288-297	
		DOYLE, et al., "Microsoft Press Computer Dictionary, 2nd ed.", Microsoft Press,	
		Redmond, Washington, USA, (1994),p. 326	
		FILLO, et al., "The M-Machine Multicomputer", IEEE Proceedings of MICRO-28,	
		(1995),pp. 146-156	
		FRAZIER, GREGORY L., et al., "The Design and Implementation of a Multi-	
}		Queue Buffer for VLSI Communication Switches", IEEE, (1989),466-471	
		GOMEZ, et al., "Efficient Multithreaded User-Space Transport for Network	
		Computing: Design and Test of the TRAP Protocol", Journal of Parallel and	
		Distributed Computing, vol. 40, no. 1, Academic Press, Duluth, Minnesota,	
		USA,(Jan 10, 1997),pp. 103-117	
		HART, "Field Communication Protocol, Application Guide", [http://lhc-	
		div.web.cern.ch/lhc-div/IAS/WS/WorldFip/Labo/appguide.pdf, (1999),79 pages	ļ
		HAUG, et al., "Reconfigurable hardware as shared resource for parallel threads",	
		IEEE Symposium on FPGAs for Custom Computing Machines, (1998),	
		HAUSER, et al., "Garp: a MIPS procossor with a reconfigurable coprpcessor",	
		Proceedings of the 5.sup.th Annual IEEE Symposium on Field-Programmable	
		Custom Computing Machines, (1997),	ļ
		HYDE, R., et al., "Overview of Memory Management", Byte, vol. 13, No. 4, (1998),pp. 219-225	
		LIN, YU-SHENG, et al., "Queue Management for Shared Buffer and Shared Multi-Buffer ATM Switches", IEEE, (1996),688-695	
		LITCH, et al., "StrongARMing Portable Communications", IEEE Micro, (1998),pp. 48-55	
		SCHMIDT, et al., "The Performance of Alternative Threading Architectures for	
		Parallel Communication Subsystems", Internet Document, Online!, (Nov. 13,	
		1998),	
		THISTLE, et al., "A Processor Architecture for Horizon", IEEE, (1998),pp. 35-41	
		TREMBLAY, et al., "A Three Dimensional Register File for Superscalar	
		Processors", IEEE Proceedings of the 28 sup th Annual Hawaii International	
		Conference on System Sciences, (1995),pp. 191-201	<u></u>

PTC/SB/08x(07-05)
Approved for use through 7/31/2006. OMB 0651-0031
US Petent & Trademark Office; U.S. DEPARTMENT OF COMMERCE
on of Information unless it contains a valid OMB control number.

Substitut	e for form 1449A	РТО				
INFO	RMATION	DISCLOSU	JRE.		Complete If Known	
		Y APPLICA		Application Number	10/751,263	
				Filing Date	December 30, 2003	
				First Named Inventor	Kuo, Chen-Chi	
				Art Unit	2186	
				Examiner Name	Paul W Schlie	
(4	Use as many she	ets as necessary)				
Sheet	10	of	10	Attorney Docket No: I	ntel-010PUS	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
		TRIMBERGER, et al., "A time-multiplexed FPGA", <u>Proceedings of the 5.sup.th Annual IEEE Symposium on Field-Programmable Custom Computing Machines</u> , (1998),			
		TURNER, et al., "Design of a High Performance Active Router", Internet Document, Online!, (Mar. 18, 1999),			
		VIBHATAVANIJT, et al., "Simultaneous Multithreading-Based Routers", Proceedings of the 2000 International Conference of Parallel Processing, Toronto, Ontario, Canada, (Aug 21-24, 2000), pp. 362-359			
		WAZLOWSKI, et al., "PRSIM-II computer and architecture", <u>IEEE Proceedings</u> , Workshop on FPGAs for Custom Computing Machines, (1993),			
•		WOLRICH, et al., U.S. Appl. No. 09/473,571, filed Dec. 28, 1999,	<u> </u>		

EXAMINER DATE CONSIDERED

. 1